# **Nitto Denko Corporation - Water Security 2023**



## W0.はじめに

## W0.1

## (W0.1) あなたの組織の概要および紹介文を記入してください。

(As of April 1, 2023)

Company Name: Nitto Denko Corporation

Head Office: 33rd Floor, Grand Front Osaka, 4-20, Ofuka-cho, Kita-ku, Osaka 530-0011, Japan

Board Member President & CEO: Hideo TAKASAKI

Established: 1918/Oct/25

Capital: 26,783 million yen

The Stock Exchange: Tokyo Stock Exchange, Prime Market

Stock Ticker Number: 6988

Fiscal Year: March 31

Net Sales: 929 billion yen (Consolidated, FY2022)

544 billion yen ( Non-Consolidated, FY2022)

Employees: 28,371 (Consolidated)

6,672 (non-Consolidated)

Global Network: 97 companies

## W-CH0.1a

# (W-CH0.1a) あなたの組織が従事しているのは、化学品セクターのどの活動ですか?

その他、具体的にお答えください (Wide range of products for manufacturing processes and parts, including semiconductor and electronic component manufacturing process materials, optical device sealing materials, and HDD peripheral materials)

## W0.2

## (W0.2) データの報告年の開始日と終了日を入力してください。

		開始日	終了日
4	報告年	2022年4月1日	2023年3月31日

## W0.3

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## (W0.3) 貴社が操業する国/地域を選択してください。

ベルギー ブラジル

中国

チェコ ドイツ

ハンガリー

インド

インドネシア

日本

マレーシア

フィリピン

大韓民国

台湾、中国

タイ

トルコ

米国

ベトナム

## W0.4

(W0.4) 回答全体を通じて財務情報の開示に使用する通貨を選択してください。

日本円(JPY)

## W0.5

(W0.5) あなたの組織の事業への水の影響の報告にあたり、対象となる企業、事業体、グループの報告パウンダリ(境界)として最も当てはまるものを選択してください。 財務管理下にある企業、事業体、またはグループ

## W0.6

(W0.6) このパウンダリで、本情報開示から除外される地域、施設、水に関する側面、その他の事項はありますか? いいえ

## W0.7

(W0.7) 貴社は、ISINコードまたはその他の一意の識別子(Ticker、CUSIPなど)を持っていますか。

貴	社の固有IDを提示できるかどうかについて示してください。	貴社の固有IDを提示します
は	い、ISINコードを持っている	3684000007

## W1.現在の状況

## W1.1

# (W1.1) あなたの組織の事業成功のためには、水質と水量はどの程度重要ですか?(現在および将来の)重要度をお答えください。

		間接利用 の重要度 評価	説明してください
十分な量の良質の淡水を 利用できること	重要	重要	[Direct use applications]  Product manufacturing in the optronics and membrane products segments requires large volumes of fresh water.  [Reason for importance rating for direct use]  We assessed this as "important" because these products, which include polarizing films and printed circuit boards in the optronics segment along with membrane products, require the use of purified water in the manufacturing process to make chemical solutions and to wash and rinse equipment.  [Indirect use applications]  The manufacturing of chemicals and plastics materials we source from suppliers requires fresh water.  [Reason for importance rating for indirect usage]  Suppliers' inability to use high-quality fresh water in their manufacturing processes would have a significant adverse impact on the quality of our products. For this reason, we rated the importance of quality fresh water as "important", the same level as our direct operations.
十分な量のリサイクル 水、汽水、随伴水を利用 できること	重要	中立	[Direct use applications]  Because product manufacturing in our optronics segment and membrane business require large volumes of fresh water, a portion of our discharge water is treated and made into purified water for reuse in production processes.  [Reason for importance rating for direct use]  Of all our fresh water options, making purified water from utility water increases the volume we use from this source, which can create problems such as higher costs and impacts on the local community. For this reason, we recycle our discharge water and purify it for reuse. Using recycled water is essential for our operations and therefore "important".  [Indirect use applications]  Our suppliers use water to manufacture chemicals and plastics materials we source from them. Some suppliers use recycled water in some cases.  [Reason for importance rating for indirect use] We recognize this as "neutral" because not all of our suppliers use recycled water.

# W1.2

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	操業地/施設/ 事業の比率(%)		測定方法	説明してください
取水量-総量	76 ~ 99	毎月	Third party sources: Measured by third parties Ground water: Measured by instruments	We ascertain the volume of water withdrawal at our main production facilities.  [Frequency]  Third party sources: Data obtained once a month  Ground water: Measurements taken in real-time, aggregated by environmental departments once a month
取水量 - 水源別の量	76~99	毎月	[Measurement methods] Third party sources: Measured by third parties Ground water: Measured by instruments	We ascertain water withdrawal volumes by source at our main production facilities.  [Frequency] Third party sources: Data obtained once a month Ground water: Measurements taken in real-time, aggregated by environmental departments once a month
金属・鉱業/石炭セクターでの貴社の活動に関連した混 入水 - 合計量[金属・鉱業/石炭セクターのみ]	<not Applicable&gt;</not 	<not Applicable&gt;</not 	<not applicable=""></not>	<not applicable=""></not>
貴杜の石油・天然ガス事業活動に関連した随伴水 - 総量[石油・ガスセクターのみ]	<not Applicable&gt;</not 	<not Applicable&gt;</not 	<not applicable=""></not>	<not applicable=""></not>
取水の水質	76 ~ 99	毎日	[Measurement methods] Third party sources: Measured by third parties Ground water: Measurement of parameters based on tap water, etc. by specialized external agencies	We confirm water quality before use in equipment at our main production facilities.  [Frequency] Ground water: once per day to once per year or more Frequency varies based on purpose, water quality, and process
排水量 - 総量	76~99	常時	[Measurement methods] Fresh surface water: Measured by instruments at outlets Sewer: Measured by sewer	We measure discharge volumes by destination at our main production facilities.  [Frequency]  Every hour for internal measurements  For measurements by other companies, we receive data once a month.
排水 - 放流先别排水量	76 ~ 99	常時	[Measurement methods] Fresh surface water: Measured by instruments at outlets Sewer: Measured by sewer	We measure discharge volumes by destination at our main production facilities.  [Frequency]  Every hour for internal measurements For measurements by other companies, we receive data once a month.
排水 – 処理方法別排水量	モニタリング しなかった	<not Applicable&gt;</not 	<not applicable=""></not>	Although individual facilities ascertain water discharge volumes by treatment method, we do not have data for the company as a whole.
排水の質 - 標準的排水基準別	76~99	常時	[Measurement methods] Fresh surface water: Measured by instruments at outlets Sewer: Measured by sewer	Measurements are taken at facilities where measuring is legally prescribed. [Frequency] Hourly to annually, depending on item inspected According to statutory requirements in each country: Main production facilities meet effluent parameters requirements mandated by relevant countries' laws and regulations.
排水の質 - 水への排出(硝酸塩、リン酸塩、殺虫剤、その他の優先有害物質)	モニタリング しなかった	<not Applicable&gt;</not 	<not applicable=""></not>	Although individual facilities ascertain by effluents quality , we do not have data for the company as a whole.
排水の質 – 温度	モニタリング しなかった	<not Applicable&gt;</not 	<not applicable=""></not>	Although individual facilities ascertain discharge water temperatures, we do not have data for the company as a whole.
水消費量 - 総量	76~99	毎月	[Measurement methods] Calculate by subtracting water discharge from water withdrawals	We ascertain water consumption at our main production facilities. Since water is not used as a raw material, consumption refers to evaporation in the production process.
リサイクル水/再利用水	76~99	常時	[Measurement methods] Measured by instruments Measurement	At main our production facilities, we engage in water recycling and ascertain the volume of recycled water.  [frequency]  Measurements taken in real-time, aggregated by environmental departments once a month
完全に管理された上下水道・衛生 (WASH) サービス を全従業員に提供	100%	毎年	[Measurement methods] Checked via internal inspections	Occupational health initiatives are implemented at all facilities, providing all employees with safe water and amenities.  [frequency] Once a year; in some cases, once every 2 to 3 years

# W1.2b

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# (W1.2b) 貴社の事業全体で、取水、排水、消費した水の合計量、前報告年比、また今後予測される変化についてご記載ください。

	リット		前報告年との変化/ 無変化の主な理由	間の	将来予 測の主 な根拠	説明してください
総取水量	6034		効率的な水利用が できる技術/プロセ スへの投資		事業活 動の拡 大/縮小	We evaluate as "much lower/higher" in cases in which the change is more than 10%. If the change is less than 2%, we evaluate as "about the same." The amount in fiscal 2022 was 2.5% lower than last year's total withdrawals, which were 6,190 megaliters.
総排水量	5147	多い	事業活動の拡大/縮 小		事業活 動の拡 大/縮小	We evaluate as "much lower/higher" in cases in which the change is more than 10%. If the change is less than 2%, we evaluate as "about the same." The amount in fiscal 2022 was 3.7% higher than last year's total discharges, which were 4,964 megaliters.
総消費量	887	大幅に 少ない	事業活動の拡大/縮 小		事業活 動の拡 大/縮小	Total water consumption is calculated by subtracting water withdrawals from water discharges. We evaluate as "much lower/higher" in cases in which the change is more than 10%. If the change is less than 2%, we evaluate as "about the same." The amount in fiscal 2022 was 27.7% lower than last year's total consumption, which was 1,226 megaliters.

## W1.2d

# (W1.2d) 水ストレスのある地域から取水を行っていますか。また、その割合、前報告年比、今後予測される変化はどのようなものですか。

	取水は	水ス	前					説明してください
	水スト	トレ	報	告年	年	来	ツール	
	レス下	ス下	告	との	間	予		
	にある	にあ	年	変化/	の	測		
	地域か	る地	۲	無変	予	の		
	らのも	域か	の	化の	測	主		
	のです	らの	比	主な		な		
		取水	較	理由		根		
		の割				拠		
		슴						
行	はい	1%未	lΞ	不明	不	不	世界資源研究	We consider our future water volume projections to be unchanged (about the same) as our water efficiency is unchanged and therefore usage will remain
1	10.4	満	ぼ					unchanged unless there is a change in the amount of product produced.
1		" '	同		' '	,,	したアキダク	We conduct risk/opportunity assessments on a medium- to long-term horizon and on a short-term horizon. Medium- to long-term assessments are conducted
			1.0				b	irregularly, such as when significant changes are made to our management strategy, or when significant changes occur in the environment surrounding us.
							(AOUEDUCT	Short-term assessments are conducted annually. Add to that process, we referred to the Aqueduct Floods to simulate floods with a 0.1% probability of
							,	occurring within a year for the Nitto Group's plants and key suppliers, to find that three out of 54 of our Group's sites and 14 out of 27 sites of key suppliers run
							路))	the risk of suspended operations in fiscal 2021. Integrated into our multi-disciplinary company-wide risk management process as in-house procedures are the
								Environmental Management System (ISO14001) and Occupational Health and Safety Management System (ISO45001).

## W1.2h

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	事業への関連性	量 (メ		前報 告年	説明してください
	(relevance)	リッ ト ル/	年との比	との/ 無変 化主な 主な由	
淡水の地 表水(雨 水、湿地 帯の水、 河川、湖 水を含む)	関連性がない	<no t Appl icabl e&gt;</no 	ot	<not Applic able&gt;</not 	None of our facilities use fresh surface water, including rainwater, water from wetlands, rivers, and lakes. The reason is that none of our factories have been constructed in a location that enables withdrawals from fresh surface water, including rainwater, water from wetlands, rivers, and lakes. Our factories use utility water or groundwater.
汽水の地 表水/海水	関連性がない	<no t Appl icabl e&gt;</no 	ot	<not Applic able&gt;</not 	None of our facilities use brackish surface water/seawater. The reason is that none of our factories have been constructed in a location that enables withdrawals from brackish surface water/seawater. Our factories use utility water or groundwater.
地下水 - 再生可能	関連する	239 4	ぼ 同	事業 活動 の拡 大/縮 小	We evaluate as "much lower/higher" in cases in which the change is more than 10%. If the change is less than 2%, we evaluate it as "about the same." The amount in fiscal 2022 was 1% lower than last year's withdrawals from groundwater, which were 2418 megaliters. In fiscal 2023 we anticipate that the amount will be about the same due to the same production volumes as last year. Groundwater (renewable) is an important source of fresh water used for cooling purposes mainly at group companies in Japan, especially at production factories located inland. These areas use groundwater (renewable) due to limitations on the amount of water third parties can provide.
地下水 - 非再生可能	関連性がない	<no t Appl icabl e&gt;</no 		<not Applic able&gt;</not 	None of our facilities use groundwater – non-renewable. The reason is that we are not part of the oil and natural gas sector, and do not have an oil and natural gas extraction business, therefore we do not carry out withdrawals of groundwater (non-renewable). This category thus is not relevant to our business. We have no plans to carry out withdrawals in the future.
随伴水/混入水	関連性がない	<no t Appl icabl e&gt;</no 		<not Applic able&gt;</not 	None of our facilities use produced water. The reason is that there is no possibility that group companies in Japan and other countries will ever extract or use produced water since such water cannot adequately provide the water quality and volume that would satisfy our required standards. This category is thus not relevant to our business. We have no plans to carry out withdrawals in the future.
第三者の水源	関連する	364 0	な	事業 活動 の拡 大/縮 小	We evaluate as "much lower/higher" in cases in which the change is more than 10%. If the change is less than 2%, we evaluate it as "about the same." The amount in fiscal 2022 was 3.6% lower than last year's withdrawals from third party sources, which were 3776 megaliters. In fiscal 2023 we anticipate about the same amount due to the same production volumes as last year. Alongside groundwater (renewable), third-party sources are an important source of fresh water at group companies in Japan and other countries. Third-party water is supplied by public institutions contracted by a local authority. We use water supplied by third parties as washing/rinsing water, steam, and cooling water during product manufacturing and as a raw material for making purified water, etc., used in manufacturing processes.

# W1.2i

# (W1.2i) 放流先別の総排水量をお答えください。

		リット ル/ 年)	年との比較	との変 化/無変 化の主な 理由	説明してください
淡水 の地 表水			多い		We evaluate as "much lower/higher" in cases in which the change is more than 10%. If the change is less than 2%, we evaluate as "about the same." The amount in fiscal 2022 was 5.5% higher than last year's discharges to fresh surface water, which were 3188 megaliters. In fiscal 2023 we anticipate about the same amount due to the same production volumes as last year. Production sites that withdraw larger amounts of fresh water, mainly at group companies in Japan, have an on-site wastewater treatment facility and treat the water before releasing it into areas of public waters.  These production sites control discharge water quality and measure their release volume in compliance with Japan's Water Pollution Prevention Act, an environmental law.
汽水 の表 水/ 海水	(1)	Appl	t	<not Applicabl e&gt;</not 	None of our facilities discharge brackish surface water/seawater. This is because discharges are only to brackish surface water/seawater and third-party discharges.
地下水	(\	<not Appl icabl e&gt;</not 	t	<not Applicabl e&gt;</not 	None of our facilities discharge groundwater. This is because discharges are only to brackish surface water/seawater and third-party discharges.
第三 者の 放流 先	関連する	178 4	ほぼ 同じ	事業活動 の拡大/ 縮小	We evaluate as "much lower/higher" in cases in which the change is more than 10%. If the change is less than 2%, we evaluate as "about the same." The amount in fiscal 2022 was 0.06% higher than last year's discharges to third-party destinations, which were 1783 megaliters. In fiscal 2023 we anticipate about the same amount due to the same production volumes as last year. Production sites in Japan and other countries that have relatively low production volumes and low withdrawal volumes of fresh water discharge water to third-party destinations operated by a local authority or other entity. The release water volume is measured since this number is used to calculate the water treatment fee.

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# (W1.3) 貴社の総取水効率の数値を記入してください。

	売上		総取水量効率	予測される将来の傾向
		トル)		
行	9290360000	6034	153966854.491	We expect the total amount of water withdrawal to decrease due to the promotion of water recycling. As a result, we expect the "total water withdrawal
1	00		216	efficiency" to also improve.

# W-CH1.3

# (W-CH1.3) あなたの組織では、化学品セクターにおける事業活動の水集約度を測定していますか?

いいえ、しかし今後2年以内にそうするつもりです

# W1.4

## (W1.4) 規制当局により有害と分類される物質を含んだ貴社製品はありますか。

	製品が有害物質を含む	コメント		
行1	はい	<not applicable=""></not>		

# W1.4a

## (W1.4a) 規制当局により有害と分類される物質を含んだ貴社製品が売上に占める割合を教えてください。

規制当局による有害物質指定	このリストにある物質を含んだ 製品が売上に占める割合	説明してください
EU REACH規則の附属書XVII	不明	Some of the products of the Nitto Group contain substances classified as hazardous by regulatory authorities. We are managing these substances in accordance with laws and regulations.  Due to confidentiality, we have selected "Don't know" in "% of revenue associated with products containing substances in this list".
Candidate List of Substances of Very High Concern for Authorisation above 0.1% by weight(EU規制)	不明	Some of the products of the Nitto Group contain substances classified as hazardous by regulatory authorities. We are managing these substances in accordance with laws and regulations.  Due to confidentiality, we have selected "Don't know" in "% of revenue associated with products containing substances in this list".
EU残留性有機污染物質(POPs)規制	不明	Some of the products of the Nitto Group contain substances classified as hazardous by regulatory authorities. We are managing these substances in accordance with laws and regulations.  Due to confidentiality, we have selected "Don't know" in "% of revenue associated with products containing substances in this list".
UK REACH規則附属書XIV	不明	Some of the products of the Nitto Group contain substances classified as hazardous by regulatory authorities. We are managing these substances in accordance with laws and regulations.  Due to confidentiality, we have selected "Don't know" in "% of revenue associated with products containing substances in this list".
Candidate List of Substances of Very High Concern(英国規制)	不明	Some of the products of the Nitto Group contain substances classified as hazardous by regulatory authorities. We are managing these substances in accordance with laws and regulations.  Due to confidentiality, we have selected "Don't know" in "% of revenue associated with products containing substances in this list".
Federal Water Pollution Control Act / Clean Water Act (米国規制)	不明	Some of the products of the Nitto Group contain substances classified as hazardous by regulatory authorities. We are managing these substances in accordance with laws and regulations.  Due to confidentiality, we have selected "Don't know" in "% of revenue associated with products containing substances in this list".
水質汚濁防止法 (日本規制)	不明	Some of the products of the Nitto Group contain substances classified as hazardous by regulatory authorities. We are managing these substances in accordance with laws and regulations.  Due to confidentiality, we have selected "Don't know" in "% of revenue associated with products containing substances in this list".
Guidelines for Controlling the Use of Key Chemical Substances in Consumer Products(中国規制)	不明	Some of the products of the Nitto Group contain substances classified as hazardous by regulatory authorities. We are managing these substances in accordance with laws and regulations.  Due to confidentiality, we have selected "Don't know" in "% of revenue associated with products containing substances in this list".
Brazilian Regulatory Standards	不明	Some of the products of the Nitto Group contain substances classified as hazardous by regulatory authorities. We are managing these substances in accordance with laws and regulations.  Due to confidentiality, we have selected "Don't know" in "% of revenue associated with products containing substances in this list".
Official Mexican Standards (NOMs) / National Inventory of Chemical Substances	不明	Some of the products of the Nitto Group contain substances classified as hazardous by regulatory authorities. We are managing these substances in accordance with laws and regulations.  Due to confidentiality, we have selected "Don't know" in "% of revenue associated with products containing substances in this list".
物質リスト(カナダ環境保護法)	不明	Some of the products of the Nitto Group contain substances classified as hazardous by regulatory authorities. We are managing these substances in accordance with laws and regulations.  Due to confidentiality, we have selected "Don't know" in "% of revenue associated with products containing substances in this list".

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## (W1.5) 水関連問題に対し、貴社のバリューチェーンと協働していますか。

	エンゲージメント	協働していない主な理由	説明してください
サプライヤー	はい	<not applicable=""></not>	<not applicable=""></not>
その他のバリューチェーン・パートナー(例: 顧客)	はい	<not applicable=""></not>	<not applicable=""></not>

## W1.5a

## (W1.5a) 水セキュリティへの影響に従いサプライヤーを評価していますか。

#### 行1

## サプライヤーによる影響評価

はい、サプライヤーの影響評価を行っています

#### 評価項目

調達コスト

# 重大な影響を及ぼすと特定されたサプライヤー数

330

# 重大な影響を及ぼすと特定されたサプライヤーが全体に占める割合

1~25

## 説明してください

We recognize the risk that a supplier's operations could be disrupted by some form of water risk, which could cause delays in the procurement of materials. We consider suppliers with whom we have a significant volume of transactions, i.e., those whose transactions with the Nitto Group account for 90% or more of the Group's total purchase volume, to be suppliers with a substantive impact on water security, and prioritise engagement with these suppliers accordingly.

### W1.5b

## (W1.5b) 貴社のサプライヤーは、貴社の購買プロセスの一部として水関連要件を満たす必要がありますか。

		サプライヤーは特定の水関連要件を満たす必要があります	コメント
- [	行1	はい、サプライヤーは水関連要件を満たす必要がありますが、自社のサプライヤー契約には含まれていません	<not applicable=""></not>

# W1.5c

## (W1.5c) 貴社の購買プロセスの一部としてサプライヤーが満たす必要がある水関連要件と、実施している準拠方法を具体的にお答えください。

## 水関連要件

水セキュリティ活動に対するサプライヤーとの協働

## この水関連要件に準拠することが義務付けられている、重大な影響を及ぼすサプライヤーの割合

100%

# この水関連要件に準拠している、重大な影響を及ぼすサプライヤーの割合

76~99

## この水関連要件の準拠をモニタリングするための仕組み

サプライヤーの自己評価

## この水関連要件に準拠していないサプライヤーへの対応

維持して協働する

## コメント

Both the percentage of suppliers and the percentage of total procurement expenditures are non-consolidated data.

# W1.5d

### (W1.5d) その他の水関連サプライヤーエンゲージメントの詳細を記入してください。

## エンゲージメントの種類

情報収集

### エンゲージメントの具体的内容

少なくとも年1回、サプライヤーから水質に関する情報を収集する(例:排水の品質、汚染事故、有害物質)

### 数値ごとのサプライヤーの割合

1~25

### 重大な影響を及ぼすサプライヤーの割合

 $76 \sim 99$ 

## エンゲージメントの根拠

Effluent quality etc., can have a serious impact on local residents and the environment and so we ask our suppliers for comprehensive management, in this regard.

### エンゲージメントの影響と成果の評価方法

Based on the results of our supplier surveys, we evaluate supplier risk and propose improvements to suppliers that we deem to be high-risk.

コメント

## W1.5e

## (W1.5e) 顧客またはその他のバリューチェーン・パートナーとの水関連のエンゲージメント活動がある場合は、具体的にお答えください。

### ステークホルダーの種類

顧客

# エンゲージメントの種類

教育/情報の共有

### エンゲージメントの具体的内容

水と関連した貴社の実績や戦略をステークホルダーに周知するエンゲージメントキャンペーンを実施

## エンゲージメントの根拠

The Nitto Group's RO (reverse osmosis) membranes are being adopted for a wide range of applications due to their ability to recycle wastewater at a lower cost and with less energy and fewer CO2 emissions than the traditional evaporation method. As effluents from plants increase throughout the world, particularly in recent years, causing pollution and drought, some countries and regions are setting effluent limits or tightening relevant laws and regulations. Much is expected in this regard from the ZLD (Zero Liquid Discharge) wastewater recycling system, which uses RO membranes to recover all effluents without discharging to external eco-systems. RO membranes designed for ZLD are superior to standard RO membranes in terms of resistance to contamination and high-pressure treatment, and thus provide an optimal membrane technology solution for effluent treatment as it becomes increasingly difficult and diversified.

## エンゲージメントの影響と成果の評価方法

At our Shiga Plant, which produces membranes, we are testing a Zero Liquid Discharge (ZLD) Plant project. We are recycling wastewater by combining technologies for evaporative concentration and volume reduction with our proprietary technology of ultra-high pressure RO membrane treatment. We are heading for our ultimate goal of "zero wastewater generated from processes." The measure of success is evaluated by the sales volume of RO membranes for ZLDs.

## W2.事業への影響

## W2.1

# (W2.1) 貴社は報告年内に、水関連で有害な影響を受けましたか。

いいえ

## W2.2

(W2.2) 貴社は報告年に、水関連の規制違反を理由として罰金、法的命令、その他のペナルティを科されましたか。

	水関連規制に関する違反	罰金、執行命令またはその他の罰則	コメント
行1	いいえ	<not applicable=""></not>	

## W3.手順

## W3.1

## (W3.1) 貴社では、事業活動に関連し、水の生態系や人間の健康に有害となりうる潜在的水質汚染物質を、どのように特定、分類していますか。

潜在的水質汚染物質の特定 と分類	潜在的水質汚染物質の特定・分類方法	説明して ください
はい、潜在的水質汚染物質 を特定・分類しています	We comply with all legal requirements relating to the prevention of water pollution as stipulated by national and international laws and regulations, such as those governing COD.	<not Applicabl</not 
	We monitor water pollutant levels once per month at applicable sites. In the unlikely event that the levels recorded exceed the regulatory limits stipulated by respective countries and laws, the matter is reported to the officer responsible for risk management, and remedial action is taken at the site.	e>

## W3.1a

## (W3.1a) 事業活動に関連した中で、水の生態系や人間の健康に及ぶ潜在的水質汚染物質の悪影響を、貴社でどのように最小限に抑えているか説明してください。

## 水質汚染物質カテゴリー

その他の栄養素と酸素を必要とする汚染物質

## 水質汚染物質と潜在的影響の説明

We use COD as a measure as we handle solvents, whose discharge into the surrounding waters causes COD to deteriorate.

## バリューチェーン上の段階

直接操業

## 悪影響を最小限に抑えるための行動と手順

水のリサイクル

有害物質の削減または段階的使用停止

規制要件準拠を徹底するためのセクター固有のプロセスを用いた排水処理

プロセスを行うための設備/方法のアップグレード

### 説明してください

We are working to reduce and gradually phase out organic solvents, including shifting to solvent-free technology and updating our production equipment and processing methods.

In addition, we have installed several water treatment facilities to ensure compliance with laws and regulations and that all water is treated appropriately.

We are also working to achieve zero discharge into rivers via water recycling utilizing our own products.

## W3.3

## (W3.3) あなたの組織では水関連のリスクの評価を実施していますか?

はい、水関連のリスクを評価しています

# W3.3a

## (W3.3a) 水関連のリスクの特定と評価の手順を最もよく表している選択肢を選択します。

## バリューチェーン上の段階

直接操業

## 対象範囲

全部

### リスク評価手順

環境リスク評価で水リスクが評価されます

### 評価の頻度

年1回

## どの程度の将来のリスクまで考慮しているか

6年以上先

## 使用したツールと手法の種類

市販のツール

その他

#### 利用しているツールと手法

世界資源研究所(WRI)が発表したアキダクト (AQUEDUCT (水管、送水路) )

社内的な方法

## 考慮した文脈上の問題

その他、具体的にお答えください (Physical drought areas)

## 考慮したステークホルダー

顧客

従業員

地域コミュニティ

規制機関

サプライヤー

地方レベルでの水公益事業

河川流域/集水地におけるその他の水利用者

#### コメント

We conduct risk/opportunity assessments on a medium- to long-term horizon and on a short-term horizon. Medium- to long-term assessments are conducted irregularly, such as when significant changes are made to our management strategy, or when significant changes occur in the environment surrounding us. Short-term assessments are conducted annually. in addition, we referred to Aqueduct Floods to simulate floods with a 0.1% probability of occurring within a year for the Nitto Group's plants and key suppliers, to find that three out of 54 of our Group's sites and 14 out of 27 sites of key suppliers run the risk of suspended operations in fiscal 2021. Integrated into our multi-disciplinary company-wide risk management process as in-house procedures are the Environmental Management System (ISO14001) and Occupational Health and Safety Management System (ISO45001).

## バリューチェーン上の段階

サプライチェ**ー**ン

## 対象範囲

一部

# リスク評価手順

確立した全社的リスク管理枠組みの一部として水リスクが評価されます

## 評価の頻度

年1回

## どの程度の将来のリスクまで考慮しているか

3~6年

## 使用したツールと手法の種類

その他

# 利用しているツールと手法

マテリアリティ評価

## 考慮した文脈上の問題

主なコモディティ/原材料に関する水の関わり

全従業員のための適正に機能し安全に管理された上下水道・衛生(WASH)サービスへのアクセス

# 考慮したステークホルダー

顧客

従業員

投資家

## コメント

We conduct risk/opportunity assessments on a medium- to long-term horizon and on a short-term horizon. Medium- to long-term assessments are conducted irregularly, such as when significant changes are made to our management strategy, or when significant changes occur in the environment surrounding us. Short-term assessments are conducted annually.

## W3.3b

	リスク評価アプローチの根拠	検討した文脈上の問題の説明	検討したステークホル ダーの説明	リスク対応に関する意思決定プロセス
育 1	In addition to risks continuing from previous fiscal years, risks that are to be newly added as subjects to management and reporting in the fiscal year are selected by the officers and departments responsible for risk management. The selection is conducted based on interviews with directors, responsible departments, audit firms, etc., as well as analysis of the agenda and details of deliberations at monthly meetings of the Board of Directors and the Corporate Strategy Meeting. The selection is finalized after deliberation at the Corporate Strategy Meeting.  Major risks are recognized and visualized for their relative importance. To do so, we classify risks using a graph with two axes: "degree of impact" on the business if an incident, etc. occurs on the vertical axis and the "likelihood of occurrence" of the incident on the horizontal axis. These substantive financial or strategic impacts include risks related to climate change and water security.	assessment tools, and we have evaluated WRI Aqueduct as a suitable screening tool for water-related risks for the Nitto Group. Therefore, we are currently using Aqueduct as a screening	criteria are applied to our entire value chain and direct operations. As, for the value chain, water security is considered to be an impact in raw material procurement, product manufacturing, logistics, etc. For direct operations,	ESG management promotion activities include the management of opportunities and risks related to water security. Important matters, basic policies and strategic management decisions, such as management policy, medium-term management plan, and ESG management, are decided by the Board of Directors and instructed and supervised to the Corporate Strategy Meeting.  To ensure the effectiveness of ESG management promotion, Nitto has appointed a vice president in charge of ESG promotion and established a vice president in charge within a special function department. The relevant department makes proposals on sustainability, including the identification of materiality issues, based on which the Board of Directors and the Corporate Strategy Meeting make decisions.  The Representative Directors and Vice Presidents, who are members of the Board of Directors and the Corporate Strategy Meeting, instruct the responsible business execution departments and Group companies in their respective areas to implement the proposals, ensuring the effectiveness of ESG management promotion.  ESG management promotion activities include the management of opportunities and risks related to climate change and water security.

## W4.リスクと機会

## W4.1

(W4.1) 貴社ではこれまで、事業に財務または戦略面で重大な影響を及ぼす可能性のある特有の水関連のリスクを特定したことがありますか。 いいえ

## W4.1a

## (W4.1a) あなたの組織では、事業に及ぶ財務または戦略面での重大な影響を、どのように定義していますか?

In addition to risks continuing from previous fiscal years, risks that are to be newly added as subjects to management and reporting in the fiscal year are selected by the officers and departments responsible for risk management. The selection is conducted based on interviews with directors, responsible departments, audit firms, etc., as well as analysis of the agenda and details of deliberations at monthly meetings of the Board of Directors and the Corporate Strategy Meeting. The selection is finalized after deliberation at the Corporate Strategy Meeting.

Major risks are recognized and visualized for their relative importance. To do so, we classify risks using a graph with two axes: "degree of impact" on the business if an incident, etc. occurs on the vertical axis and the "likelihood of occurrence" of the incident on the horizontal axis. These substantive financial or strategic impacts include risks related to climate change and water security.

These assessment criteria are applied to our entire value chain and direct operations.

## W4.2b

(W4.2b) 貴社では、直接操業において、財務または戦略面で重大な影響を及ぼす可能性のある水リスクにさらされていないと考える理由は何ですか。

	主な理由	説明してください
ŕ	リスクはある	Product manufacturing in all our products requires large volumes of water. Besides using water resources efficiently, we attach a great deal of importance to recycling water so that the impact
1	が、重大な影響	on our business activities is minimal should water supply be restricted due to abnormal weather or otherwise. As an example of risk management, at the Onomichi Plant, a water recycling
	はもたらされな	facility using similar technologies was completed in October 2020 and subsequently implemented. It is now possible to recycle 100% of wastewater from production processes, to establish a
	いと考えられ	new model of water recycling. Also, the risk of suspended production due to restricted water supply has been eliminated.
	る。	

# W4.2c

(W4.2c) 貴社では、バリューチェーン(直接操業を超える)において、財務または戦略面で重大な影響を及ぼす可能性のある水リスクにさらされていないと考える理由は何ですか。

行  リスクはあるが、重大な影響はもたらさ   The manufacturing of chemicals and plastic materials we source from suppliers requires water. Under the CSR-Based Procurement Guidelines, we are	alyze and
1 れないと考えられる。 monitor the quality of wastewater and perform quality control in accordance with the law.	

### (W4.3) あなたの組織ではこれまで、事業に財務または戦略面で重大な影響を及ぼす可能性のある水関連機会を特定したことがありますか?

はい、機会を特定し、一部/すべてを実現されつつあります

## W4.3a

## (W4.3a) 貴社の事業に財務または戦略面で重大な影響を及ぼす可能性のある、現在実現しつつある機会について、詳細を説明してください。

#### 機会の種類

製品およびサービス

### 主な水関連の機会

既存の製品/サービスの売上増

## 自社固有の詳細と、機会実現の戦略

The Nitto Group's RO (reverse osmosis) membranes are being adopted for a wide range of applications due to their ability to recycle wastewater at a lower cost and with less energy and fewer CO2 emissions than the traditional evaporation method.

As effluents from plants increase throughout the world, particularly in recent years, causing pollution and drought, some countries and regions are setting effluent limits or tightening relevant laws and regulations. Much is expected in this regard from the ZLD (Zero Liquid Discharge) wastewater recycling system, which uses RO membranes to recover all effluents without discharging it to external eco-systems.

We are adapting the wide range of water treatment technologies we have developed over the years to meet the needs of markets around the world. For example, the PRO Series of ultra-high-pressure spiral RO membranes, which we have newly developed, have superior pressure resistance and pollution resistance, and are currently widely used in India and China, where regulations on industrial wastewater are becoming increasingly strict, as a key component of ZLD systems, which do not emit liquid waste. We have positioned these products among our PlanetFlagsTM certified products and aim to increase sales by marketing them primarily in countries and regions with high water ricks.

Currently, the RO membranes for ZLDs used by the Nitto Group globally are capable of recycling 16.9 million tonnes of wastewater per year, equivalent to the daily water needs of 230,000 people.

## 機会実現までの推定期間

6年以上先

### 財務上の潜在的影響の程度

低い~中程度

## 財務上の潜在的影響額をご回答いただくことは可能ですか?

はい、単一の推計値

## 財務上の潜在的影響額 (通貨)

2000000000

## 財務上の潜在的影響額 - 最小 (通貨)

<Not Applicable>

## 財務上の潜在的影響額 - 最大 (通貨)

<Not Applicable>

## 財務上の影響についての説明

The potential financial impact is the total amount of PlanetFlags. There are currently three PlanetFlags certified products. Estimates are based on these sales forecasts in fiscal 2030.

# W6.ガバナンス

## W6.1

## (W6.1) あなたの組織には水に関する企業方針がありますか?

いいえ、しかし今後2年以内に作成する予定です

## W6.2

## (W6.2) あなたの組織内では、水関連問題について取締役会レベルの監督が実施されていますか?

はい

## W6.2a

## (W6.2a) 取締役会における気候関連課題の責任者の職位を特定します(個人の名前は含めてはいけません)。

# 

## W6.2b

## (W6.2b) 水関連の問題に対する取締役会の監督に関する詳細を記入します。

水関連の問題が予定された議題として取り上げられる頻度		説明してください
予定されている - 一部の会議	実対の大学・大学・大学・大学・大学・大学・大学・大学・大学・大学・大学・大学・大学・大	ESG management promotion activities include the management of opportunities and risks related to water security. Important matters, basic policies and strategic management decisions, such as management policy, medium-term management plan, and ESG management, are decided by the Board of Directors and instructed and supervised to the Corporate Strategy Meeting.  To ensure the effectiveness of ESG management promotion, Nitto has appointed a vice president in charge of ESG promotion and established a vice president in charge within a special function department. The relevant department makes proposals on sustainability, including the identification of materiality issues, based on which the Board of Directors and the Corporate Strategy Meeting make decisions.  The Representative Directors and Vice Presidents, who are members of the Board of Directors and the Corporate Strategy Meeting, instruct the responsible business execution departments and Group companies in their respective areas to implement the proposals, ensuring the effectiveness of ESG management promotion.  ESG management promotion activities include the management of opportunities and risks related to climate change and water security.

## W6.2d

# (W6.2d) 貴社には、水関連問題に精通した能力を持った取締役が1人以上いますか。

	取締役が水関連 問題に関する能 力を持っていま す		水関連問題に関す	貴社に水関連問題に関する能力を持った取締役が1 人以上いない理由と、将来取締役会レベルの能力向 上に取り組む予定があるかについて説明してくださ い
行 1		In order to make important policy decisions in an ever-changing business environment and to exercise a sustained supervisory function, we have identified five qualities, knowledge, experience, etc. (hereinafter collectively referred to as "skills") in "leadership," "technology," "finance," "governance," and "sustainability" for the Board of Directors. Of those 5 skills, "Technology" and "Sustainability" are connected to water-related issues.	<not applicable=""></not>	<not applicable=""></not>

# W6.3

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### (W6.3) 水関連の問題に責任を負う経営層レベルで最上位の職位または委員会を記入します(個人の名前は含めないでください)。

## 職位または委員会

最高経営責任者(CEO)

### この職位における水関連の責任

水需要の今後の傾向の評価

水関連のリスクおよび機会の評価

水関連のリスクおよび機会の管理

水関連シナリオ分析の実施

水関連の定量的な企業目標の設定

水関連の企業目標に対する進捗状況のモニタリング

水セキュリティに影響を及ぼしうる公共政策エンゲージメントの管理

水関連問題に対するバリューチェーンエンゲージメントの管理

水関連問題の事業戦略への組み入れ

水セキュリティ関連の年間予算の管理

低影響水製品/サービス(研究開発を含む)関連の主な資本支出/操業費の管理

水関連の買収/合併/売却の監督

水関連の従業員インセンティブの提供

## 水関連問題に関して取締役会に報告する頻度

半年に1回

### 説明してください

The Corporate Strategy Meeting, which is composed of the Group's directors and vice presidents (including vice presidents concurrently serving as directors) and chaired by the President, discusses and makes decisions on measures to promote ESG management, including the management of opportunities and risks related to water security. Of these, important matters such as basic policies and strategic management decisions, including management policy, mid-term management plans, and ESG management-related policies, are resolved by the Board of Directors, which entrusts their execution to the Corporate Strategy Meeting and oversees their implementation. The Board of Directors is chaired by the President. The President also serves as the CEO. ESG management promotion activities include the management of opportunities and risks related to water security.

### W6.4

(W6.4) 水関連の問題の管理に関して、経営幹部レベルまたは取締役にインセンティブを付与していますか?

	水関連の問題の管理に対してインセンティブを付与しています	コメント
行1	いいえ、現在はまだだが、今後2年以内に導入予定	

## W6.5

(W6.5) あなたの組織では、以下のいずれかを通じて、水関連公共政策に直接的または間接的に影響を及ぼしうる活動に関与していますか? はい、業界団体

## W6.5a

(W6.5a) 公共政策に影響を及ぼそうとする直接的および間接的活動のすべてが、あなたの組織の水に関する企業方針/コミットメントに合致するものとなるよう、どのようなプロセスを実施していますか?

We consider the position statement of trade association when we set a water security strategy. Our position on water security issues is consistent with theirs. If their directions are not consistent with us, we will discuss with them to reach an agreement.

## W6.6

(W6.6) 貴社は、水関連のリスクへの対応に関する情報を直近の財務報告書に含めましたか。

はい(任意で報告書を添付していただけます) securities report2023.pdf

## W7.事業戦略

## W7.1

## (W7.1) 貴社の長期的・戦略的事業計画のいずれかの側面に水関連問題が組み込まれていますか。もしそうであれば、どのように組み込まれていますか。

	水関連の問題は組み込 まれていますか。	長期的な対象期間(年)	説明してください
長期 的な 事業 目的	はい、水関連の問題が 組み込まれている	5- 10	For the Nitto Group to sustain its growth, we definitely need to manage our company with environmental, social, and governance (ESG) criteria in mind—in other words, to "simultaneously solve social issues and enhance corporate value." It is also important what innovations the Nitto Group creates and how it enhances the quality of its management. This being the case, at the beginning of fiscal 2019 we came up with "material issues for sustainability (Materiality)," which include both issues to be addressed through products and services and issues to be tackled within 10 years by reinforcing the management foundations, thus clearly defining the significance of ESG in the context of business management and prioritizing our initiatives.
長的標成たの略	はい、水関連の問題が 組み込まれている		In order to meet customers' needs, we showcase the positive contributions that our products and services make for planet Earth and human life and recognize those with a particularly high level of contributions by attaching "PlanetFlags" or "HumanFlags," in an effort to embody our approach to the material issues for sustainability. This realization led us to devise a policy of "preferentially allocating resources on projects for candidates of products with either a PlanetFlag or a HumanFlag," which we hope will instill ESG awareness in all members of our R&D team. Some seemed puzzled with this new direction, but soon many projects underwent a sweeping review and now most of the projects, except those in their infancy and which therefore have yet to be classified, are geared toward developing one with a PlanetFlag or a HumanFlag.
財務計画	いいえ、水関連の問題 のレビューを行いまし たが、戦略的に関連性 がある/重要であると はみなされませんでし た		We understand the business opportunities, but operation risks are not significant based on our risk assessment processes.

## W7.2

(W7.2)報告年におけるあなたの組織の水関連の設備投資費(CAPEX)と操業費(OPEX)の傾向と、次報告年に予想される傾向をお答えください。

#### 行1

水関連の設備投資費CAPEX(+/-%)

0

次報告年の設備投資費予想 (変化+/-%)

0

水関連のOPEX(+/-の変化率)

0

次報告年の操業費(OPEX)(変化 + /- %)

0

説明してください

Water-related CAPEX and OPEX are not currently monitored, so we have answered 0. In the future we would like to monitor these financial indicators.

## W7.3

(W7.3) 貴社では、事業戦略を決定するためにシナリオ分析を用いていますか。

	シナリオ分析の使用	コメント
行1		We are currently conducting surveys related to scenario analysis.  Without globally established scenario analysis methods, we have been unable to find a solution that suits our company.

## W7.4

(W7.4) 貴社では、社内ウォータープライシング (内部的価格付け) を実施していますか。

行1

貴社では、社内ウォータープライシング (内部的価格付け) を実施していますか。

いいえ。今後2年以内にそうすることは見込んでいない

説明してください

We understand the business opportunities, but operation risks are not significant based on our risk assessment processes.

## W7.5

## (W7.5) 貴社が現在製造や提供をしている製品やサービスの中で、水の影響を少なく抑えているものはありますか。

	水源影がなと類た品よまはサビ資の響少い分し製おびたニス	水に対する影響が少ないと分類するために使用した定義	貴新およびは大きな場合を表しています。 および はり をいっかい できない かいかい はい	説明してください
行 1	はい	We are materializing our efforts to address key sustainability issues by visualizing the contributions that the products and services produced by the Nitto Group make to the Earth and humanity, and identifying the products and services that make a particularly significant contribution as PlanetFlags/HumanFlags certified products. We have defined our key sustainability issues relating to water as the promotion of water recycling, prevention of water pollution, and efficient use of water, and have confirmed through the LCA assessment that these products have a low impact on water resources compared to existing products.	<not Applicabl e&gt;</not 	RO membranes for ZLD (Zero Liquid Discharge) are certified PlanetFlags product. The Nitto Group's RO (reverse osmosis) membranes are being adopted for a wide range of applications due to their ability to recycle wastewater at lower costs and with less energy and fewer CO2 emissions than the traditional evaporation method. As effluents from plants increase throughout the world, particularly in recent years, causing pollution and drought, some countries and regions are setting effluent limits or tightening relevant laws and regulations. Much is expected in this regard from the ZLD wastewater recycling system, which uses RO membranes to recover all effluents without discharging it to external eco-systems. RO membranes designed for ZLD are superior to standard RO membranes in terms of resistance to contamination and high-pressure treatment, and thus provide an optimal membrane technology solution for effluent treatment as it becomes increasingly difficult and diversified.

## W8.目標

## W8.1

(W8.1) 貴社には水関連の定量的目標がありますか。

いいえ、しかし今後2年以内に行う予定です

## W8.1c

(W8.1c) 貴社に水関連の定量的目標がない理由と、今後策定する予定があるものがあればその内容をお答えください。

	主な理由	説明してください
行1	今後2年以内に定量的目標を導入する予定	Concerning water risks, we understand the business opportunities, but operation risks are not significant based on our risk assessment processes.
	However, we may identify additional water-related risks as we conduct analysis. If we find any risks, we will set new goals in order to deal with the	

## W9.検証

## W9.1

(W9.1) あなたの組織のCDP情報開示で報告したその他の水に関する情報(W5.1aで既に対象にされていない)を検証していますか?はい

## W9.1a

(W9.1a) 貴社のCDP開示の中ではどのデータポイントを検証しましたか。また、どのような基準を使用しましたか。

開示モジュール	検証したデータ	検証基準	説明してください
W1 現状	W1.2b Total water discharged	ISAE 3000	[Verification or assurance cycle in place]
	W1.2h Water withdrawals (Groundwater – renewable, and Third party sources)		Annual process
			[Status in the current reporting year]
			Complete
			[Type of verification or assurance]
			Limited assurance
			[Relevant standard]
			ISAE3000
			[Proportion of reported withdrawals verified (%)]
			100

## W10.プラスチック

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## W10.1

(W10.1) 貴社は、バリューチェーンのどこでプラスチックが使用/生産されているかをマッピングしたことがありますか。

	プラスチックのマッピング	バリューチェーン上の段階	説明してください
行1	選択してください	<not applicable=""></not>	

## W10.2

(W10.2) 貴社のバリューチェーンにおいて、プラスチックの貴社の使用/生産が環境や人体に及ぼしうる潜在的影響について評価したことはありますか。

	影響評価	バリューチェーン上の段階	説明してください
行1	選択してください	<not applicable=""></not>	

## W10.3

(W10.3) バリューチェーンにおいて、貴社は金銭的または事業戦略面で重大な影響を及ぼす可能性のあるプラスチック関連リスクにさらされていますか。もしそうである場合、詳細をお答えください。

	リスクエクスポージャー	バリューチェーン上の段階	リスクの種類	説明してください
行1	選択してください	<not applicable=""></not>	<not applicable=""></not>	

## W10.4

(W10.4) 貴社にはプラスチック関連の定量的目標がありますか。ある場合は、どのような種類かをお答えください。

	定量的目標があるか	目標が適用されるエネルギー/電力の種類	目標指標	説明してください
行1	選択してください	<not applicable=""></not>	<not applicable=""></not>	

## W10.5

(W10.5) 貴社が次の活動に従事しているか否かをお答えください。

	活動の適用	コメント
プラスチックポリマーの生産	選択してください	
耐久性のあるプラスチック部品の生産	選択してください	
耐久性のあるプラスチック製品の生産/商品化(混合材料を含む)	選択してください	
ブラスチックパッケージの生産所品化	選択してください	
プラスチックパッケージを使用する製品の生産	選択してください	
プラスチックパッケージを使用するサービスや製品の提供/商品化(例: 小売や食品サービス)	選択してください	

## W11.最終承認

## W-FI

(W-FI) 補足したい場合は、本欄にあなたの組織の回答に関連すると考えられる追加情報や背景事情を記入してください。この欄は任意で、採点されないことにご注意ください。

## W11.1

(W11.1) 貴社のCDP水セキュリティ質問書に関する回答を最終承認した人物を具体的にお答えください。

		役職	職種
1	行1	Senior Vice President	その他の最高経営層
		General Manager of Corporate Strategy & ESG Management Division	